polyoxyethylenenonylphenyl ether, polyoxyethylene fatty acid ester or sucrose fatty acid ester.

- 11. (New) The artificial chaperon kit of Claim 9, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 25 to 50
- 12. (New) The artificial chaperon kit of Claim 9, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 40 to 150.
- 13. (New) An artificial chaperon kit comprising a cyclic saccharide cycloamylose having a polymerization degree of from 25 to 50 or 40 to 150. and an ionic detergent.
- 14. (New) The artificial chaperon kit of Claim 13, wherein the ionic detergent is cetyltrimethylammonium bromide, sodium dodecyl sulfate, sodium deoxycholate, 3-[(3-colamidopropyl)dimethylammonio]-1-propanesulfonic acid, hexadecyltrimethylammonium bromide or myristylsulfobetaine.
- 15. (New) The artificial chaperon kit of Claim 13, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 25 to 50.
- 16. (New) The artificial chaperon kit of Claim 13, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 40 to 150.
- 17. (New) A method of refolding a denatured protein, comprising: contacting a polyoxyethylenic detergent with a denatured protein, followed by contacting the protein with a cyclic saccharide cycloamylose having a degree of polymerization of 25 to 50 or 40 to 150, to produce a folded protein.
- 18. (New) The method of Claim 17, wherein the polyoxyethylenic detergent is a polyoxyethylenesorbitan ester, polyoxyethylenedodecyl ether, polyoxyethyleneheptamethylhexyl ether, polyoxyethyleneisooctylphenyl ether,

polyoxyethylenenonylphenyl ether, polyoxyethylene fatty acid ester or sucrose fatty acid ester.

- 19. (New) The method of Claim 17, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 25 to 50
- 20. (New) The method of Claim 17, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 40 to 150.
- 21. (New) The method of Claim 17, wherein the folded protein has an α-helical structure.
- 22. (New) The method of Claim 17, wherein the folded protein has an β -sheet structure.
- 23. (New) The method of Claim 17, wherein the protein has an intramolecular S-S bond.
- 24. (New) A method of refolding a denatured protein, comprising: contacting an ionic detergent with a denatured protein, followed by contacting the protein with a cyclic saccharide cycloamylose having a degree of polymerization of 25 to 50 or 40 to 150, to produce a folded protein.
- 25. (New) The method of Claim 24, wherein the ionic detergent is cetyltrimethylammonium bromide, sodium dodecyl sulfate, sodium deoxycholate, 3-[(3-colamidopropyl)dimethylammonio]-1-propanesulfonic acid, hexadecyltrimethylammonium bromide or myristylsulfobetaine.
- 26. (New) The method of Claim 24, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 25 to 50.
- 27. (New) The method of Claim 24, wherein the cyclic saccharide cycloamylose has a polymerization degree of from 40 to 150.

- 28. (New) The method of Claim 24, wherein the folded protein has an α -helical structure.
- 29. (New) The method of Claim 24, wherein the folded protein has an β-sheet structure.
- 30. (New) The method of Claim 24, wherein the protein has an intramolecular S-S bond.--

SUPPORT FOR THE AMENDMENTS

Newly added Claims 9-30 are supported by the specification at pages 4-25 and by original Claims 1-8. No new matter is believed to have been added to this application by these amendments.

REMARKS

Claims 9-30 are active in this application. Favorable reconsideration is respectfully requested.

The present invention relates to an artificial chaperon kit comprising (a) a cyclic saccharide cycloamylose having a degree of polymerization of 25 to 50 or 40 to 150 and (b) a polyoxyethylenic detergent. See Claim 9.

The present invention also relates to an artificial chaperon kit comprising a cyclic saccharide cycloamylose having a polymerization degree of from 25 to 50 or 40 to 150 and an ionic detergent. See Claim 13.

The present invention also relates to a method of refolding a denatured protein, comprising:

contacting a polyoxyethylenic detergent with a denatured protein, followed by